

Mattia D'Urso

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github.com/mattiadurso
Main languages: Python, R

Education

- Oct 2020 - **Master's of Science in Artificial Intelligence and Cybersecurity**,
Oct 2022 University of Studies of Udine (Italy) and Alpen-Adria-Universität Klagenfurt (Austria).
GPA: 29.2/30
- Oct 2017 - **Bachelor's of Science in Internet of Things, Big Data and Web**,
Oct 2020 University of Studies of Udine (Italy).
- **Bachelor's Thesis:** "*Classification of web users by shallow inspection of packets and Deep Learning techniques*"

Experiences

- Mar 2021 – **Research**, Artificial Vision and Real-Time Systems Lab, under supervision of Prof. Current Gian Luca Foresti and in collaboration with the Italian Ministry of Defense.
 - Implementation of deep learning model for flying with drones using computer vision
- Jul 2020 – **Research**, University of Studies of Udine, under supervision of Prof. Claudio Piciarelli.
Sep 2020
 - Used Pytorch to develop supervised deep learning model for classification of web users on a dataset of 6M+ of TCP/IP packets.
 - Increased the accuracy of the model by 42% by hyperparameters fine tuning.

Skills

- **Languages:** Python, R, L^AT_EX, Java, SQL
- **Libraries:** Pytorch, NumPy, dplyr, tidyverse, ggplot2

Research Interests

- **Computer Vision**
- **Deep Learning**

Leadership and Awards

- Oct 2018 - **Student representative**, in which I report to the Board of department and solved Oct 2021 dozens of students problems of any kind.
- Jan 2018 - **Professional photographer**, worked in team in weddings and other events. Today